IN THE CLAIMS

1.(currently amended) A crewmember rest support system comprising:

a berth mattress comprising a plurality of mattress segments;

a support structure having a plurality of joints coupled to and supporting said berth mattress; and

a pneumatic system coupled to said support structure comprising:

at least one inflatable member having at least one inflatable state, wherein said at least one inflatable member articulates said support structure into a plurality of orientations; and

at least one pump actuating said at least one inflatable member and articulating at least a portion of both of said support structure and said berth mattress.

2.(original) A rest support system as in claim 1 wherein said berth mattress is selected from at least one of a pad, a cushion, a mat, a case filled with resilient material, and an inflatable mat.

3. (original) A rest support system as in claim 1 wherein said berth mattress is cocoon shaped.

4. (original) A rest support system as in claim 1 wherein said berth mattress is ergonomically shaped.

5. (original) A rest support system as in claim 1 wherein said berth mattress comprises a headrest.

6. (original) A rest support system as in claim 5 wherein said headrest is adjustable.

7. (original) A rest support system as in claim 5 wherein said headrest is pneumatically adjustable.

8. (canceled).

9. (original) A rest support system as in claim 1 wherein said support structure comprises a frame.

10. (original) A rest support system as in claim 1 wherein said support structure comprises a weaved material.

11. (original) A rest support system as in claim 1 wherein said at least one inflatable member comprises an air bag.

12. (original) A rest support system as in claim 11 wherein said air bag is pleated.

13. (cancelled)

14. (original) A rest support system as in claim 1 wherein said at least one inflatable member comprises: a first inflatable member expandable to adjust a first portion of said support structure; and a second inflatable member expandable to adjust a second portion of said support structure.

15. (original) A rest support system as in claim 14 wherein said first portion comprises a leg element.

16. (original) A rest support system as in claim 14 wherein said second portion comprises a back element.

17. (original) A rest support system as in claim 14 wherein said second inflatable member articulates a plurality of joints of said support structure.

18. (original) A rest support system as in claim 1 wherein said at least one pump articulates a plurality of joints in said support structure.

19. (cancelled)

20. (original) A rest support system as in claim 1 further comprising at least one armrest coupled to said berth mattress.

21. (original) A rest support system as in claim 20 wherein said at least one armrest is deployable with articulation of said support structure.

22. (original) A rest support system as in claim 20 wherein said at least one armrest is formed of a flexible position sustainable structure.

23. (original) A rest support system as in claim 1 further comprising a cup holder coupled to said support structure.

24. (original) A rest support system as in claim 1 wherein said support structure comprises: at least one fixed joint; and at least one slider joint.

25. (currently amended) A berth for an aircraft comprising:

a berth enclosure;

at least one berth mattress comprising a plurality of mattress segments;

at least one support structure having a plurality of joints coupled to and supporting said at least one berth mattress within said berth enclosure; and

at least one pneumatic system coupled to said at least one support structure comprising:

at least one inflatable member having at least one inflatable state, wherein said at least one inflatable member articulates said support structure into a plurality of orientations; and

at least one pump actuating said at least one inflatable member and articulating at least a portion of both of said support structure and said berth mattress.

26. (original) A berth as in claim 25 further comprising a retractable tray coupled to and deployable within said berth enclosure.

27. (original) A berth as in claim 25 further comprising a controller coupled to said at least one pump and controlling orientation of said at least one support structure.

28. (previously amended) A berth as in claim 25 further comprising a control panel coupled to and within said berth enclosure and controlling orientation of said at least one support structure.

29. (original) A berth as in claim 25 further comprising at least one stowage unit coupled to and within said berth enclosure.

30. (original) A berth as in claim 25 wherein said berth enclosure is divided into a first half and a second half.

31. (original) A berth as in claim 30 wherein said first half comprises: a first berth mattress; a first support structure coupled to and supporting said first berth mattress; and a first pneumatic system coupled to and articulating said first structure.

32. (original) A berth as in claim 31 wherein said second half comprises: a second berth mattress; a second support structure coupled to and supporting said first berth mattress; and a second pneumatic system coupled to and articulating said first structure.

33. (currently amended) A crew rest compartment for an aircraft comprising:

at least one berth enclosure comprising;

at least one berth mattress comprising a plurality of mattress segments;

at least one support structure having a plurality of joints coupled to and supporting said at least one berth mattress within said berth enclosure; and

at least one pneumatic system coupled to said at least one support structure comprising:

at least one inflatable member having at least one inflatable state, wherein said at least one inflatable member articulates said support structure into a plurality of orientations; and

at least one pump actuating said at least one inflatable member and articulating at least a portion of both of said support structure and said berth mattress.

34. (previously amended) A rest crew compartment as in claim 33 further comprising at least one access unit for accessing said at least one berth enclosure.

35. (previously amended) A rest crew compartment as in claim 33 wherein said at least one berth enclosure comprises:

a first ergonomically shaped berth enclosure; and

a second ergonomically shaped berth enclosure.

36. (currently amended) An aircraft comprising:

at least one crew rest compartment comprising;

at least one berth mattress comprising a plurality of mattress segments;

at least one support structure having a plurality of joints coupled to and supporting said at least one berth mattress within said berth enclosure; and

at least one pneumatic system coupled to said at least one support structure comprising:

at least one inflatable member having at least one inflatable state, wherein said at least one inflatable member articulates said support structure into a plurality of orientations; and

at least one pump actuating said at least one inflatable member and articulating at least a portion of both of said support structure and said berth mattress.

37. (original) An aircraft as in claim 36 further comprising a controller coupled to said at least one pump and controlling orientation of said at least one support structure.

38. (currently amended) A crewmember rest support system comprising: a berth mattress comprising a plurality of mattress segments; a support structure coupled to and supporting said berth mattress and having a plurality of joints; and a pneumatic system coupled to and articulating said support structure into a plurality of orientations, said pneumatic system comprising: a first inflatable member articulating a first portion of said support structure; and a second inflatable member articulating a second portion of said support structure.

39. (canceled)

40. (canceled)

41. (currently amended) A method for providing in an aircraft, a crew rest area which comprises providing a crew rest support system that includes a berth mattress comprising a plurality of mattress segments, coupling and supporting said berth mattress with a support structure having a plurality of joints, coupling a pneumatic system to said support structure, wherein said pneumatic system includes at least one inflatable member, activating said inflatable member and articulating at least a portion of said support structure.

42. (previously amended) A method according to claim 41, wherein said mattress has multiple joints for allowing the mattress to be articulated and to be conformed with various orientations.